

## CLAIMS

1. An optical information recording medium characterized in that a temperature-sensitive layer whose reflectance and/or transmittance reversibly change according  
5 to a change in a temperature of the temperature-sensitive layer is formed on a substrate.
2. A medium of claim 1, wherein the temperature-sensitive layer is formed of a single layer of a temperature-sensitive film or a laminated layer of a  
10 temperature-sensitive film and a reflection film.
3. A medium of claim 1 or 2, wherein the temperature-sensitive layer has a light interference effect.
4. A medium of any one of claims 1 to 3, further comprising a recording and/or reproduction layer.
- 15 5. A medium of any one of claims 1 to 4, wherein the substrate has concavities and convexities in at least a part of a surface thereof.
6. A medium of any of claims 1 to 5, wherein a plurality of recording and/or reproduction layers are formed on the  
20 substrate, and the temperature-sensitive layer is formed on at least one of the recording and/or reproduction layers.
7. A medium of any one of claims 1 to 6, wherein the temperature-sensitive layer contains a metal oxide.
8. A reproduction method of an optical information  
25 recording medium characterized in that the method comprises

the steps of: irradiating the medium as described in any one of claims 1 to 7 with a light beam to form a spot of the light beam on a temperature-sensitive layer so that a high-temperature region and a low-temperature region are generated; reversibly

5 changing reflectance and/or transmittance on the high-temperature region and the low-temperature region of the temperature-sensitive layer; and reproducing information according to light reflected from a temperature region showing a higher reflectance.